

# galectin-1 (hBA-134): sc-4864

## BACKGROUND

Galectins are a family of soluble  $\beta$ -galactoside-binding animal lectins (1) that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) interactions and play a role in tumor progression, pre-mRNA splicing and apoptosis (1,2). Specifically, Galectin-1 is an autocrine regulator of cell-proliferation that plays a role in the maintenance of  $G_0$  and in the control of  $G_2$  traverse (3). Galectin-1, also known as LGALS1 (4,5), is the 14.5 kDa protein product of a single gene linked to human chromosome 22q13.1 (2,6). The Galectin-1 protein contains 135 amino acids, a single internal EcoRI site and a polyadenylation signal. Galectin-1 can localize to both intracellular and extracellular space (1). Galectin-1 is expressed in human placenta, human lung, HL-6, HepG2 and CEM cells (6–9).

## SOURCE

galectin-1 (hBA-134) is produced in *E. coli* as 42 kDa biologically active, GST-tagged fusion protein of human origin corresponding to 4-135 amino acids of full length galectin-1.

## PRODUCT

galectin-1 (hBA-134) is purified from bacterial lysates (>98%); supplied as 50  $\mu$ g purified protein.

## STORAGE

Store at  $-20^\circ\text{C}$ ; stable for one year from the date of shipment.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## BACKGROUND REFERENCES

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